

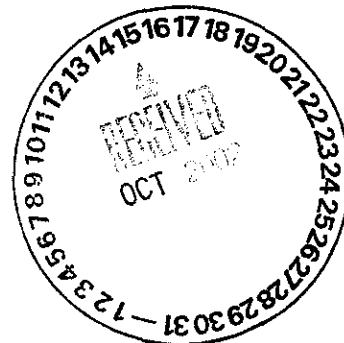
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Test Report  
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10/4/02

D00326



**SUBMITTED TO:**

Joan Kessner  
Bechtel Hanford  
3350 George Washington Way, MS HO-25  
Richland, WA 99352

**REFERENCE DATA:**

Client Sample Nos.:	B120D <sup>1</sup> / <sub>2</sub> through B120D <sup>5</sup> / <sub>5</sub> <i>nl 10/28/02</i>
P.O. Number:	Not Available
Sample Location:	105H, outer rod room
Sample Type:	MCE Air Filters
Method Reference:	Airborne Fibers by Phase Contrast Microscopy (PCM) NIOSH Method 7400, Fourth Edition, (dated 8/15/94)
Date Received:	10/2/2002
DCL Sample Set ID No.:	02-A-4789
DCL Sample Nos.:	02-28549 through 02-28553

The samples indicated on the following data sheet(s) were analyzed in accordance with the NIOSH Method 7400 outlined in the NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, dated 8/15/94. This method requires that samples have a minimum volume of 400 Liters on a single sample or on consecutive samples and that 2 field blanks (or 10% of the total samples, whichever is greater) be submitted with each set. The results reported are not field blank corrected. Blanks receive a 100-field count, and data are reported as Fibers/Field for use in background correction.

Results are tabulated on the following page(s). Results are reported in Fibers/mm<sup>2</sup>, Fibers per Filter and Fibers/mL (Fibers/cc). Concentrations in Fibers/mL are based on sample volumes or flow rates and times provided by the client. Results for all samples are based on the use of a 0.8- $\mu$ m pore size, 25-millimeter diameter filter having an effective collection area of 385 mm<sup>2</sup>. Report applies only to portion(s) of sample(s) analyzed. Samples will be disposed of after 60 days unless otherwise instructed.

The limit of detection (LOD) for this method has been determined to be 7 Fibers/mm<sup>2</sup> for a sample volume of approximately 1200 Liters.

DataChem Laboratories adheres to the QA/QC guidelines set forth in this method that calls for 10% blind replicate analysis. The QA/QC officer maintains all QA/QC data at our laboratory.

DataChem Laboratories is American Industrial Hygiene Association (AIHA) accredited. Laboratory accreditation does not in any way constitute approval or endorsement by AIHA.

  
Alex Bell  
Analyst

  
Anna Marie Ristich  
Reviewer

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# **DataChem Laboratories Phase Contrast Microscopy Test Report**

Client: Bechtel Hanford

Sample Location: 105H, outer rod room

P.O. No.: Not Available

<b>ANALYSIS INFORMATION</b>								
Graticule Area (mm <sup>2</sup> ):	0.00817							
<b>SAMPLE INFORMATION</b>			<b>SAMPLE RESULTS</b>				<b>LOD</b>	
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm <sup>2</sup>	Fib/Filter	Fib/mL	(Fib/mm <sup>2</sup> )	(Fib/mL)
B120D2	02-28549	151.00	0.000	<LOD	<LOD	<LOD	7	0.018
B120D3	02-28550	75.00	0.000	<LOD	<LOD	<LOD	7	0.036
B120D4	02-28551	NA	0.000	<LOD	<LOD	NA	7	NA
B120D5	02-28552	NA	0.000	<LOD	<LOD	NA	7	NA
B120D1	02-28553	74.00	0.000	<LOD	<LOD	<LOD	7	0.036

**\*\*Comments:** none.

**\*NOTES:** "NA" indicates no volume was given or the sample is a blank.  
All samples counted using the "A" rules.

Alex Bell  
Analyst

Anna Marie Ristich  
Anna Marie Ristich  
Reviewer

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Bechtel Hanford, Inc.		ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						Page 1 of 2	
Collector: <u>Duff G. Wonders</u>	Company Contact <u>D/W Samuel J. Murff</u> 9-25-02		Telephone No. 373-5600		Project Coordinator <u>Trent, S.J.</u>		Data Turnaround <u>Normal</u>		
Payroll #: <u>73180</u>	Sampling Location <u>105H, outer rod room</u>  <u>02-A-4 789</u>				SAF No. B00-004; B00-005		Method of Shipment <u>FEH. Ex</u> Bill of Lading/Air Bill No. <u>824518002924</u>		
Type of Sample: <u>Personal/Excursion</u>									
Shipped To: <u>Data chem</u>									
POSSIBLE SAMPLE HAZARD/REMARKS <u>Asbestos</u>	Preservation (i.e., cooling required, etc.)		No	No	No				
	Type of Container		Cassette	Baggy	Cassette				
	No. Of Containers		1	1	1				
Special Handling and/or Storage <u>N/A</u>	Volume		0	0	0				
SAMPLE ANALYSIS			Lead Airborne	Asbestos Bulk	Asbestos Airborne	<u>02-</u>			
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L)	Comments					
B12002	A	9-25-02	150	Personal	X		28549		
B12003	A	9-25-02	75	Excursion	X		28550		
B12004	A	9-25-02	0	Blank	X		28551		
B12005	A	9-25-02	0	Blank	X		28552		
B12001	A	9-25-02	7274	Excursion	X		28553		
SIGN / PRINT NAMES / USE MILITARY TIME									
Released By/Name: <u>Duff Wonders</u>		DATE/TIME: <u>9-25-02 1500</u>		Released By/Name: <u>W. Metzger</u>		DATE/TIME: <u>9-25-02 1515</u>		<b>SPECIAL INSTRUCTIONS</b> All relevant COAs must be provided:  <u>R105H X Y F10</u>  <b>ANALYSIS METHOD (SPECIFIC):</b>  <u>N105H 7400</u>	
Released By/Name: <u>W. Metzger</u>		DATE/TIME: <u>9-26-02 0700</u>		Released By/Name: <u>Steven J. Sant</u>		DATE/TIME: <u>9-26-02 0700</u>			
Released By/Name: <u>Jeff Brunson</u>		DATE/TIME: <u>9-26-02 0730</u>		Released By/Name: <u>Jeff Brunson</u>		DATE/TIME: <u>9-26-02 0730</u>			
Released By/Name: <u>Jeff Brunson</u>		DATE/TIME: <u>10-1-02/1400</u>		Released By/Name: <u>Jeff Brunson</u>		DATE/TIME: <u>10-1-02/1400</u>			
Released By/Name: <u>Jeff Brunson</u>		DATE/TIME: <u>10-1-02/1400</u>		Released By/Name: <u>R. Nielson</u>		DATE/TIME: <u>10-1-02/1400</u>			
Released By/Name: <u>R. Nielson</u>		DATE/TIME: <u>10/1/02 1445</u>		Released By/Name: <u>FEH. Ex</u>		DATE/TIME: <u>10/1/02 1445</u>			
LABORATORY SECTION		Released By/Name: <u>CH</u>		Released By/Name: <u>RSO</u>		DATE/TIME: <u>10/2/02 0954Z</u>		<b>MATRIX</b> S - SOIL SE - SEDIMENT SO - SOLID SL - SLUDGE W - WATER O - OIL A - AIR DS - DRAIN SOLIDS DL - DRAIN LIQUIDS T - TISSUE WI - WIFE L - LIQUID V - VEGETATION X - OTHER	

824518002924

[illegible]

**REVIEWED BY:**

**PRINT/SIGN NAME**

DATE: